SMC7904WBRA4

4-Port Wireless Annex A ADSL2/2+ Modem Router

Product Overview

SMC7904WBRA4, is a highly integrated residential Internet access device which combines the function of Annex A ADSL modem, 802.11g 54Mbps wireless access point and 4-port 10/100 switch. It is fully compliant with latest ADSL2/2+ standards and TR-067 compliant, ensuring interoperability with your ISP's network infrastructure. The SMC7904WBRA4 provides high-performance Internet access, with downstream up to 24Mbps and upstream up to 2Mbps, making it ideal for residential users, home offices, and small businesses. With the SMC7904WBRA4, computers on the LAN side can communicate and share the Internet access and files via a wired or wireless network connection. The NAT firewall with Stateful Packet Inspection (SPI), Intrusion Detection System (IDS) & Denial-of-Service (DoS) provides robust security from hackers. VPN pass-through is also provided for securely connecting to your office or corporate network.

Key Features and Benefits

Enhanced ADSL2+ Technology

Instant, always on Internet connectivity for wired or wireless computers. The built-in ADSL2/2+ modem gives unrivaled asymmetric high-speed data transfer rates with up to 24Mbps downstream, 2Mbps upstream.

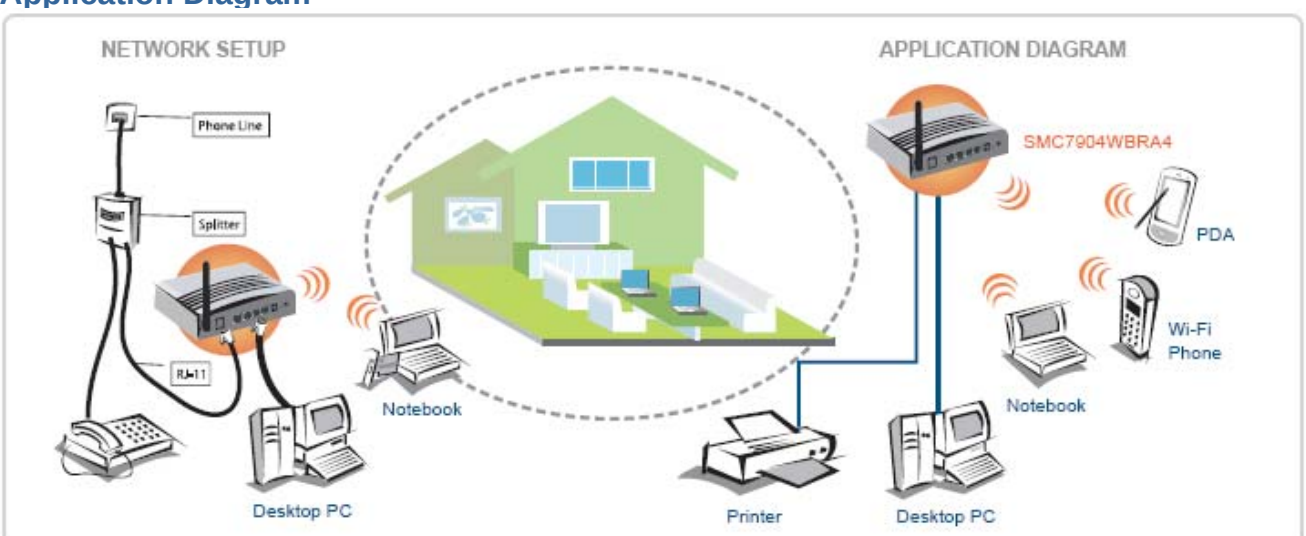
Robust Security and Firewall Protection from Hackers

The NAT firewall with Stateful Packet Inspection (SPI), Intrusion Detection System & Denial-of-Service provides robust security from hackers while VPN pass-through allows secure connectivity to your office or corporate network. Access Control Lists with URL blocking allow you to control access to Internet services & filter inappropriate web sites.

Quality of Service (QoS)

The SMC7904WBRA4 includes a build in QoS engine, which allow network administrators to allocate network resources and to prioritize real-time applications like voice & video, to enable smooth Internet phone (VoIP) and lag-free online gaming. WMM (WiFi Multimedia) delivers QoS to the wireless network, while IP QoS prioritizes outbound internet traffic.

Application Diagram



Features

HARDWARE

Physical Interface
- 1 RJ-11 Jack for ADSL Interface
- 4 RJ-45 Jacks for 10/100 Base-Tx Ethernet Ports
- 1 Reset Button
- 1 Power DC jack
- 1 Power On / Off Switch

LED Indicators
- Power/ Link/ WLAN/ LAN

SOFTWARE

ADSL Compliance
- ANSI T1.413 Issue 2
- G.992.1 (G.dmt) Annex A
- G.992.2 (G.lite) Annex A
- G.992.3 ADSL2 (G.dmt.bis) Annex A/J/K/L/M
- G.992.4 ADSL2 (G.lite.bis)
- G.992.5 ADSL2+ Annex A/M

ATM Features
- Support up to 8 ATM PVCs
- Supports ATM Forum UNI 3.1/4.0 PVC
- Supports UBR, CBR, and rt-VBR and nrt-VBR service classes
- Provides ATM layer functionality
- Support up to 8 PVCs – traffic shaping (CBR, UBR, rt/nrt-VBR)
- Supports PPPoA (RFC2364)
- Supports MPoA functionality (RFC2684)
- Supports IP over ATM (IPoA)
- Support ATM cell format ITU -T I.361
- Supports OAM F4/F5 loopback

PPP Functions
- Point-to-Point Protocol (RFC1661)
- PPP over ATM (RFC2364)
- PPP over Ethernet (RFC2516)
- User Authentication
  - CHAP (RFC1994)
  - PAP (RFC1334)

Bridge Features
- Ethernet bridging
- Support Transparent Bridging
  - MAC address learning
  - MAC address filtering and protocol filtering for up-link

Routing Features
- RIP v1 / v2
- Static routing
- PPP / PPPoE (RFC 2516)
- NAT with ALGs
- NAPT
- IGMP v1 / v2
- IGMP Proxy / snooping
- IPv4
- IP pass through
- Virtual Server port forwarding

VLAN Support
- PVC/VLAN Ethernet Port Mapping
- 8 VLANs supported
- VLAN pass-through

Security
- Stateful Packet Inspection (SPI)
- Management Access Control for WAN
- User authentication for PPP (PAP / CHAP)
- DDoS (Dynamic DoS) Protection

WLAN Support
- IEEE802.11b/g, 2.4GHz frequency band, 13 channels (ETSI)
- 2dBi antenna gain, max. output power 20dBi EIRP
- Hide SSID, Multiple SSID
- WMM, WDS
- WEP (64/128 bit), WPA-TKIP/PSK, WPA2-AES/PSK, 802.1X
- MAC address filtering
- Configure RTS/CTS; Fragmentation Threshold; Beacon Interval
- Configurable transmit power level and data rate

Firewall
- NAT, DMZ
- Filtering – IP Filtering, MAC Filtering, URL Filtering
- ACL (Access Control List)
- VPN (IPSec,PPTP,L2TP) pass-through

Management
- Acess Administration
- Web based Configuration - HTTP server
- System configuration backup and restore
- SNMP Support (V.1 and V.2C) – MIB I, MIB II (RFC1213)
- Firmware Upgrade Available by Web / TFTP
- Remote Firmware Upgradeable
- UPnP
- Easy Setup Wizard
- TR069 Remote Management Diagnostic and ATM loop back
- TR067 Ensures product meets all ADSL IOT test

QoS
- IP ToS function (RFC 1349)
- 802.1p bit remarking
- Traffic classification by port, 802.1p , ToS and DSCP

Dimension
- (L)132*(W)90*(H)33.5mm

Operating Environment
- 0° C ~ 40° C/ 32° F ~ 104° F
- 10% ~ 80% Non-condensing

Certifications
- FCC Class B
- CE Mark
- RoHS compliant

Warranty
- Please check www.smc.com for the warranty terms in your country/region.

Contact

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24/7 Technical Support

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